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		TO DIVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR  Yuichi Yoshino	501.40192X00	7213
09/875,883	06/08/2001		EXAMINER	
20457 7	590 10/07/2003	RAUS LLP	WARREN, MATTHEW E	
ANTONELLI, TERRY, STOUT & KRAUS, LLP 1300 NORTH SEVENTEENTH STREET SUITE 1800 ARLINGTON, VA 22209-9889			ART UNIT	PAPER NUMBER
			2815	
ARLINGTON	, VA 22209-9669		DATE MANIED: 10/07/2003	

DATE MAILED: 10/07/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

Application No.		Application No.	Applicant(s)					
Examiner    Matthew E. Warren		Application No.	, ,					
Matthew E. Warren  - The MAILING DATE of this communication appears on the cover sheet with the correspondence address  Period for Reply  A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.  Semention of the price o	Office Action Summany	09/875,883	YOSHINO, YUICHI					
- The MALING DATE of this communication appears on the cover sheet with the correspondence address — Period for Repty  A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE ③ MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.  Extensions of time may be available under the procedure of 3 CPR 1.136(a). In covered, however, may a reply be timely filled  Extension of time may be available under the procedure of 3 CPR 1.136(a). In covered, may a reply be timely filled  Extension of time may be available under the procedure of 3 CPR 1.736(a). In covered, however, may a reply be timely filled  If the period for reply septimized more is less than theiry (CO) date, a reply within the addition or bloom of this communication.  Falles for reply septimized the size of the reply with the state of the communication is the communication.  Falles for reply septimized the size of the communication is the communication.  Falles for reply septimized the size of the communication.  Falles for the communication is FinAL.  2b) ■ This action is FinAL.  2b) ■ This action is FinAL.  2b) ■ This action is price this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under £x parts Quayfe, 1835 C.D. 11, 453 O.G. 213.  Disposition of Claims  4) ■ Claim(s) £ is/are pending in the application.  4a) Of the above claim(s) is/are withdrawn from consideration.  5) ■ Claim(s) £ is/are allowed.  6) ■ Claim(s) £ is/are objected to.  7) □ Claim(s) is/are objected to.  8) □ Claim(s) £ is/are objected to by the Examiner.  Application Papers  9) □ The specification is objected to by the Examiner.  10) □ The drawing(s) filled on is/are: a) □ accepted or b) □ objected to by the Examiner.  11 □ proposed drawing correction filled on is/are: a) □ accepted or b) □ objected to by the Examiner.  12 □ Claim(s) £ u.S.C. § 119 and 120  13 □ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a) · (d) or (f).  a	Office Action Summary		Art Unit					
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.  - Extensions of time rarge to available mode in the provisions of 37 CFR 1.35(i). In no event, however, may a reply be timely filed  - Extensions of time rarge to available mode in the provisions of 37 CFR 1.35(ii). In no event, however, may a reply be timely filed  - Extension of time rarge to available mode in the provisions of 37 CFR 1.35(ii). In no event, however, may a reply be timely filed  - Extension of time rarge to available mode in the provision of 15 CFR 1.75(ii).  - If NO period for reply specified above, the maximum idention principle will apply and will expire 32 K(0) MONTH's from the mailing date of this communication.  - If NO period for reply specified active than these months after the mailing date of this communication, even if timely filed, may reduce any examined patent form adjustment. See 37 CFR 1.704(b).  - Status  1)	The MAN INC DATE of this communication on the							
THE MAILING DATE OF THIS COMMUNICATION.  Extensions of time may be available under the provisions of 3 CPR 1.13(6). In no event, however, may a reply be timely filed atter SIX (9) MONTHS from the mailing date of this communication.  It no provision from the mailing date of this communication.  It No pard for reply is specified above, the maximum studency period under pays and wite earlies (8) (9) MONTHS from the mailing date of this communication.  Fallace to reply within the set or ordended period for reply will, by attactor, cause the application to become ARANDONED (35 U.S.C. § 133). Any reply received by the Office in the The heatening that after the mailing date of this communication, even if timely filed, may reduce any  Status  1) Responsive to communication(s) filed on OB June 2001.  2a) This action is FINAL.  2b) This action is FINAL.  2b) This action is replaced the provision of Claims  4) Claim(s) Leg is/are pending in the application.  4a) Of the above claim(s) is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.  Disposition of Claims  4) Claim(s) Leg is/are pending in the application.  4a) Of the above claim(s) is/are rejected.  Claim(s) Leg is/are allowed.  Claim(s) Jes is/are allowed.  Claim(s) Jes is/are rejected.  The drawing(s) filed on is/are rejected.  The drawing(s) filed on is/are rejected to.  B) Claim(s) Leg is/are objected to by the Examiner.  Application Papers  9) The specification is objected to by the Examiner.  10) The drawing(s) filed on is/are: a) accepted or b  objected to by the Examiner.  Application Papers  11) The proposed drawing correction filed on is/are: a) approved by disapproved by the Examiner.  12) The oath or declaration is objected to by the Examiner.  12) The oath or declaration is objected to by the Examiner.  13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  13) Acknowledgment is made of a c		lears on the cover sheet with the	e correspondence address					
2a)  This action is FINAL. 2b)  This action is non-final.  3)  Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.  Disposition of Claims  4)  Claim(s) 1-8 is/are pending in the application.  4a) Of the above claim(s) is/are withdrawn from consideration.  5)  Claim(s) 3-8 is/are allowed.  6)  Claim(s) 3-8 is/are allowed.  6)  Claim(s) are subject to to estriction and/or election requirement.  Application Papers  9)  The specification is objected to by the Examiner.  100  The drawing(s) filed on is/are: a) accepted or b  objected to by the Examiner.  Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  11)  The proposed drawing correction filed on is: a) approved b  disapproved by the Examiner.  If approved, corrected drawings are required in reply to this Office action.  12)  The oath or declaration is objected to by the Examiner.  Priority under 35 U.S.C. §§ 119 and 120  13)  Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a)  All b  Some * c  None of:  1.  Certified copies of the priority documents have been received in Application No  3.  Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  *See the attached detailed Office action for a list of the certified copies not received.  14)  Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(b) (to a provisional application).  a)  The translation of the foreign language provisional application has been received.  15)  Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.	THE MAILING DATE OF THIS COMMUNICATION.  - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication.  - If the period for reply specified above is less than thirty (30) days, a reply If NO period for reply is specified above, the maximum statutory period to Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	36(a). In no event, however, may a reply be within the statutory minimum of thirty (30) will apply and will expire SIX (6) MONTHS from a cause the application to become ABANDO	timely filed days will be considered timely. om the mailing date of this communication. NED (35 U.S.C. § 133).					
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	2) Notice of Draftsperson's Patent Drawing Review (PTO-948)	5) Notice of Inform						

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#### **DETAILED ACTION**

## Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1 and 2 are rejected under 35 U.S.C. 102(e) as being anticipated by Hoshino (US 6,317,181 B1).

In re claim 1, Hoshino shows (fig. 4) a liquid crystal display device characterized in that the display part is divided into two regions (white display and black display). One region (black display) is displayed in a reflection type and the other region (white display) is displayed in a transmission type. As seen from the figure 4, light A is transmitted through polarizing film (2) in the white display region and light B is reflected from the polarizing film (2) in the black display region.

In re claim 2, Hoshino discloses (col. 11, lines 60-65) that the LCD of the invention is used in watches and other portable electronic equipment. In column 1, lines 28-35, Hoshino list that other portable electronic equipment includes mobile phones.

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### Allowable Subject Matter

Claims 3-8 are allowed.

The following is an examiner's statement of reasons for allowance: the prior art references, alone or in combination, do not show a liquid crystal display device wherein a region which performs a display of small information quantity performs the display in a semi-transmission type or reflection type, and the region which performs a display of a large information quantity performs the display in a transmission type.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

#### Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Odoi et al. (US 6,181,399 B1), Ouderkirk et al. (US 6,262,842 B1), Haim et al. (US 4,637,687), Nomura et al. (US 5,881,299), Tsuji et al. (US 6,522,347 B1), and Yanai (JP 6-230631 A) each disclose LCD devices having transflectors that have transmissive and reflective properties but still lack evidence showing that the display region is divided into a reflective/semi-transmission region and a transmission region.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Matthew E. Warren whose telephone number is (703)

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305-0760. The examiner can normally be reached on Mon-Thurs, and alternating Fri, 9:00-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Eddie Lee can be reached on (703) 308-1690. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-0956.

Matthew E. Warren

September 26, 2003